



2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

March 11, 2019

Work Order #: **FB27043**

Derek Dill
Water Dynamics, Inc
4644 W Jennifer Ave # 108
Fresno, CA 93722

RE: Houghton-Kearney Elementary School

Enclosed are the analytical results for samples received by our laboratory on **02/27/19** . For your reference, these analyses have been assigned laboratory work order number **FB27043**.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Susan Federico
Client Services Representative

Water Dynamics, Inc
4644 W Jennifer Ave # 108
Fresno CA, 93722

Project: Houghton-Kearney Elementary School
Project Number: 1000206
Project Manager: Derek Dill

Reported:
03/11/2019

Analytical Report for the Following Samples

| Sample ID | Notes | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|-------|---------------|--------------|----------------|----------------|
| Well 01 | | FB27043-01 | Ground Water | 02/27/19 14:00 | 02/27/19 15:05 |

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Project: Houghton-Kearney Elementary School
Project Number: 1000206
Project Manager: Derek Dill

Reported:
03/11/2019

Analytical Report for Work Order FB27043

| Analyte | Flag | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method |
|---------------------------------|------|--------|-----------------|-------|----------|---------|--|----------|-----------|
| Well 01 | | | | | | | Sampled: 02/27/19 14:00 FB27043-01 (Ground Water) | | |
| Inorganics | | | | | | | | | |
| Nitrite as N | | ND | 0.30 | mg/L | 1 | B9B2726 | 02/27/19 | 02/28/19 | EPA 300.0 |
| Volatile Organics | | | | | | | | | |
| 1,2,3-TCP by SRL-524M | | | | | | | | | |
| 1,2,3-Trichloropropane (123TCP) | | 0.10 | 0.0050 | µg/L | 1 | B9B2818 | 02/28/19 | 02/28/19 | SRL 524M |

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03/11/2019

Quality Control Sample Results - Inorganics

| Analyte | Flag | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limits |
|--|------|---------------------------------------|-----------------|-------|-------------|---------------------------|------|-------------|-------|------------|
| Batch - B9B2726 | | | | | | | | | | |
| Blank (B9B2726-BLK1) | | Prepared: 02/27/19 Analyzed: 02/28/19 | | | | | | | | |
| EPA 300.0 | | | | | | | | | | |
| Nitrite as N | | ND | 0.30 | mg/L | | | | | | |
| LCS (B9B2726-BS1) | | Prepared: 02/27/19 Analyzed: 02/28/19 | | | | | | | | |
| EPA 300.0 | | | | | | | | | | |
| Nitrite as N | | 5.00 | 0.30 | mg/L | 5.00 | | 100 | 90-110 | | |
| LCS Dup (B9B2726-BSD1) | | Prepared: 02/27/19 Analyzed: 02/28/19 | | | | | | | | |
| EPA 300.0 | | | | | | | | | | |
| Nitrite as N | | 4.95 | 0.30 | mg/L | 5.00 | | 98.9 | 90-110 | 1.08 | 20 |
| Matrix Spike (B9B2726-MS1) | | Prepared: 02/27/19 Analyzed: 02/28/19 | | | | Source: FB27001-02 | | | | |
| EPA 300.0 | | | | | | | | | | |
| Nitrite as N | | 9.71 | 0.60 | mg/L | 10.0 | ND | 97.1 | 80-120 | | |
| Matrix Spike Dup (B9B2726-MSD1) | | Prepared: 02/27/19 Analyzed: 02/28/19 | | | | Source: FB27001-02 | | | | |
| EPA 300.0 | | | | | | | | | | |
| Nitrite as N | | 9.78 | 0.60 | mg/L | 10.0 | ND | 97.8 | 80-120 | 0.719 | 20 |
| Matrix Spike (B9B2726-MS2) | | Prepared: 02/27/19 Analyzed: 02/28/19 | | | | Source: FB27043-01 | | | | |
| EPA 300.0 | | | | | | | | | | |
| Nitrite as N | | 9.71 | 0.60 | mg/L | 10.0 | ND | 97.1 | 80-120 | | |
| Matrix Spike Dup (B9B2726-MSD2) | | Prepared: 02/27/19 Analyzed: 02/28/19 | | | | Source: FB27043-01 | | | | |
| EPA 300.0 | | | | | | | | | | |
| Nitrite as N | | 9.78 | 0.60 | mg/L | 10.0 | ND | 97.8 | 80-120 | 0.788 | 20 |

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Reported:
03/11/2019

Quality Control Sample Results - Volatile Organics

| Analyte | Flag | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limits |
|---------------------------------|------|-------------------------------|-----------------|-------|-------------|---------------------------|------|-------------|-------|------------|
| Batch - B9B2818 | | | | | | | | | | |
| Blank (B9B2818-BLK1) | | Prepared & Analyzed: 02/28/19 | | | | | | | | |
| SRL 524M | | | | | | | | | | |
| 1,2,3-Trichloropropane (123TCP) | | ND | 0.0050 | µg/L | | | | | | |
| LCS (B9B2818-BS1) | | Prepared & Analyzed: 02/28/19 | | | | | | | | |
| SRL 524M | | | | | | | | | | |
| 1,2,3-Trichloropropane (123TCP) | | 0.0511 | 0.0050 | µg/L | 0.0500 | | 102 | 80-120 | | |
| LCS Dup (B9B2818-BSD1) | | Prepared & Analyzed: 02/28/19 | | | | | | | | |
| SRL 524M | | | | | | | | | | |
| 1,2,3-Trichloropropane (123TCP) | | 0.0510 | 0.0050 | µg/L | 0.0500 | | 102 | 80-120 | 0.137 | 20 |
| Duplicate (B9B2818-DUP1) | | Prepared & Analyzed: 02/28/19 | | | | Source: FB27043-01 | | | | |
| SRL 524M | | | | | | | | | | |
| 1,2,3-Trichloropropane (123TCP) | | 0.108 | 0.0050 | µg/L | | 0.105 | | | 3.00 | 20 |

Notes and Definitions

µg/L micrograms per liter (parts per billion concentration units)
 mg/L milligrams per liter (parts per million concentration units)
 mg/kg milligrams per kilogram (parts per million concentration units)
 ND Analyte NOT DETECTED at or above the reporting limit
 RPD Relative Percent Difference

Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field.
 If the test was performed in the laboratory, the hold time was exceeded. **(for aqueous matrices only)**



CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD



VER: 1.0

[DRINKING WATER QUALITY UPLOAD PORTAL](#)

WQM Upload Good Ones

Your Valid Uploaded Records for upload # [67186](#)

| System | System Name | PRIM STA CODE | Source Name | SAMPLE DATE | SAMPLE TIME | LAB NUM | CONSTITUANT | STORE NUM | XMOD | FINDING | PREV FINDING |
|------------------------|-----------------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------|------------------------------------|---------------------------|----------------------|-------------------------|------------------------------|
| 1000206 | HOUGHTON-KEARNEY SCHOOL | 1000206-001 | WELL 01 - RAW | 190227 | 1400 | 5802 | 1,2,3-TRICHLOROPROPANE (1,2,3-TCP) | 77443 | | 0.10 | 0.094 |
| 1000206 | HOUGHTON-KEARNEY SCHOOL | 1000206-001 | WELL 01 - RAW | 190227 | 1400 | 5802 | NITRITE (AS N) | 00620 | | ND | .0000 |

[Download](#)

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

WORKORDER #:

PAGE 1 OF 2

FB27043

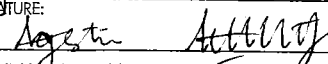
REPORT TO:

INVOICE TO:

REPORT COPY TO:

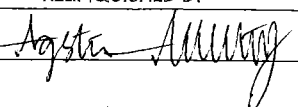

REPORTING:

| | | |
|--|--|--|
| ATTENTION: Water Dynamics | ATTENTION: NAME: James Derby | <input type="checkbox"/> STANDARD FORMAT <input type="checkbox"/> EDT (STATE FORM) <input type="checkbox"/> GEOTRACKER/COELT (LUFT) <input type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input checked="" type="checkbox"/> County DHS: EDT <input checked="" type="checkbox"/> Environmental Health Agency: DHS <input type="checkbox"/> OTHER: |
| NAME: Derek Dill | NAME: James Derby | |
| ADDRESS: 4877 N Jennifer Fresno CA 93722 | ADDRESS: | |
| PHONE: (559) 271-0953 | PHONE: (559) 430-5833 | |
| FAX: (559) 271-0294 | FAX: | |

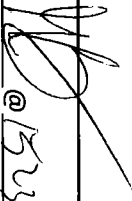
| SAMPLE INFORMATION | | SAMPLE TYPES: | PROJECT INFORMATION |
|---|--|---|---|
| SAMPLED BY (PRINT): Agustin Antunez | SIGNATURE:  | SOLID: BS - BIOSOLID CR - CERAMIC SL - SOIL/SOLID LIQUID: DW - DRINKING WATER GW - GROUND WATER OL - OIL SF - SURFACE WATER ST - STORM WATER WW - WASTE WATER | CONTRACT/P.O. NO.: PROJECT: Houghton - Kearney Elementary PROJECT NUMBER: 1000206 PROJECT MANAGER: |
| <input type="checkbox"/> PUBLIC SYSTEM <input type="checkbox"/> PRIVATE WELL <input type="checkbox"/> OTHER | <input checked="" type="checkbox"/> ROUTINE <input type="checkbox"/> REPEAT <input type="checkbox"/> REPLACEMENT | | |
| TURN AROUND TIME: <input type="checkbox"/> RUSH, DUE ON: | | | |
| <input checked="" type="checkbox"/> STANDARD | | | |


| L A B U S E | NOTES ON RECEIVED CONDITION: | | | | ANALYSIS REQUESTED | | | | | | | | | | | | | | | | | |
|----------------------------|--|---------|------|------|--------------------|---------------|--|--|--|--|--|--|--|--|--|--|--|--|------------------------------|--|--|-----|
| | <input type="checkbox"/> CUSTODY SEAL(S) BROKEN <input type="checkbox"/> SAMPLE(S) DAMAGED <input type="checkbox"/> ON ICE <input type="checkbox"/> AMBIENT TEMP. <input type="checkbox"/> INCORRECT PRESERVATION | | | | 123-TCP | Nitrite (asN) | | | | | | | | | | | | | System Number / Station Code | | | |
| | CLIENT SAMPLE ID | DATE | TIME | TYPE | | | | | | | | | | | | | | | | | | |
| | Well 01 | 2/27/19 | 1400 | GW | X | X | | | | | | | | | | | | | | | | 001 |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |

COMMENTS/ADDITIONAL INSTRUCTIONS:

| RELINQUISHED BY | COMPANY | DATE | TIME | RECEIVED BY | COMPANY |
|--|---------|---------|------|--|---------|
|  | WID | 2-27-19 | 1505 |  | MTA |

| Comments | Bottles Received | | COC Info | | Filter or Split | Container | Preservative | Date/Time/Initials |
|----------|---|------------|--|------------|-----------------|-----------|--------------|--------------------|
| | Was temperature within range? Chemistry ≤6°C Micro <10°C Temp °C | Yes No N/A | Did all bottle labels agree with COC? Was a sufficient amount of sample received? | Yes No N/A | | | | |
| | 125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V) | | | | | | | |
| | Bacti Na ₂ S ₂ O ₃ | | | | | | | |
| | None (P) | | | | | | | |
| | Cr6 Buffer (P) Borate Carbonate Buffer | | | | | | | |
| | HNO ₃ (P) | | | | | | | |
| | H ₂ SO ₄ (P) | | | | | | | |
| | NaOH (P) | | | | | | | |
| | NaOH+Znac (P) | | | | | | | |
| | Dissolved Oxygen 300ml (P) | | | | | | | |
| | None (AG) | | | | | | | |
| | None (CG) 500ml | | | | | | | |
| | Na ₂ S ₂ O ₃ 250ml (Brown P) 549 | | | | | | | |
| | Na ₂ S ₂ O ₃ (AG) | | | | | | | |
| | Na ₂ S ₂ O ₃ (AG) | | | | | | | |
| | Thio/K Citrate | | | | | | | |
| | NH ₄ Cl (AG) 552 | | | | | | | |
| | HCl (AG) | | | | | | | |
| | None (CG) 500ml | | | | | | | |
| | H ₃ PO ₄ (AG) | | | | | | | |
| | Other: | | | | | | | |
| | Plastic Bag | | | | | | | |
| | Low Level Hg/Metals Double Bag | | | | | | | |
| | Client Own | | | | | | | |
| | Glass Jar: 125/ 250/ 500 | | | | | | | |
| | Soil Tube: Brass/ Steel/ Plastic | | | | | | | |
| | 5 g Encore | | | | | | | |

Labeled by:  @1523

Labels checked by:  @1524